

No.: SHIN170400938CCM

Date: Apr. 14, 2018

1

CUSTOMER NAME:

ADDRESS:

Sample Name: VINYL FLOOR

Product specification: 180×1220×2.5mm

Above information and sample(s) was/were submitted and confirmed by the client. SGS, however, assumes no responsibility to verify the accuracy, adequacy and completeness of the sample information provided by client.

Test Required : Wear resistance

Test Method : EN 660-2:1999+ A1:2003 & EN 649:2011

Date of Receipt : Apr. 05, 2017
Testing Start Date : Apr. 05, 2017
Testing End Date : Apr. 14, 2017

Test result(s) : For further details, please refer to the following page(s)

(Unless otherwise stated the results shown in this test report refer only to

the sample(s) tested)

Signed for

SGS-CSTC Standards Technical Services (Shanghai) Co., Ltd.

Erin Huang

Authorized signatory





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Summary of Results:

No.	Test Item	Test Method	Result	Conclusion
1	Wear resistance	EN 660-2:1999+ A1:2003 & EN 649:2011	See result	1

Note: Pass : Meet the requirements;

Fail: Does not meet the requirements;

/: Not Apply to the judgment.





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Test Item: Wear resistance Sample Description: See photo

Test Method: EN 660-2:1999+ A1:2003 & EN 649:2011

Test Condition:

Weigh the specimens to an accuracy of ± 0.1 mg after conditioning. Load each wheel with a weight of (1 ± 0.01) kg. The flow of abrasive is (21 ± 3)g/min. Abrade one specimen during 5000 revolutions, with a break for weighing after each cycle of 1000 revolutions, and then test the two remaining specimens. If, however, the first specimen is abraded through before 5000 revolutions, discard it and test the two remaining specimen in cycles of 200 revolutions stopping the test after 2000 revolutions or when the specimen is abraded through.

Calculate the average mass loss. Fm, in milligrams per 100 revolutions for each specimen as follows:

$$F_m = \frac{F_{tot} \times 100}{n}$$

Calculate the loss of volume for each specimen for 100 revolutions as follows:

$$F_{V} = \frac{F_{m}}{\rho}$$

Requirement of EN 649:2011:

Characteristic	Requirements for wear group				
Gharastonstis	Т	Р	М	F	
Volume loss Fv(mm³)/100 revolutions	Fv≤2.0	2.0 <fv≤4.0< td=""><td>4.0<fv≤7.5< td=""><td>7.5<fv≤15.0< td=""></fv≤15.0<></td></fv≤7.5<></td></fv≤4.0<>	4.0 <fv≤7.5< td=""><td>7.5<fv≤15.0< td=""></fv≤15.0<></td></fv≤7.5<>	7.5 <fv≤15.0< td=""></fv≤15.0<>	

Test result:

Test result	Wear group	
Fv=0.20 mm ³ /100 revolutions	Т	

Note: 1. Test specimens were cut from the sample.

2. The test was performed by SGS other internal laboratory.



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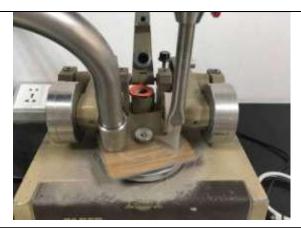


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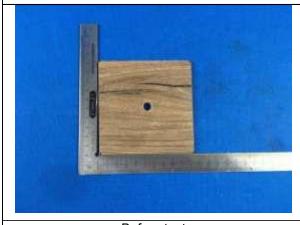
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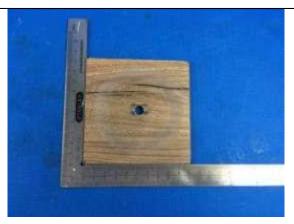
Test Photos:



During test







After test

****** End of report*****



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